

Appn. No. 10/625,619
Amendment dated March 21, 2005
Reply to Office Action mailed December 20, 2004

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims (deleted text being struck through and added text being underlined):

- 1 1. (Previously Presented) A tool holding system for selectively retaining a tool by clamping a portion of the tool, the system comprising:
 - 3 a mounting assembly for selectively coupling to a vertical surface of a structure;
 - 5 a first jaw assembly operationally coupled to said mounting assembly, said first jaw assembly being adapted for abutting a first side of the portion 7 of the tool being retained; and
 - 8 a second jaw assembly for abutting a second side of the portion of the tool being retained to selectively retain the portion between said first jaw assembly and said second jaw assembly, said second jaw assembly being 11 pivotally coupled to said first jaw assembly for permitting said second jaw assembly to pivot toward said first jaw assembly in a retaining position and 13 away from said first jaw assembly in a release position;
 - 14 wherein said first jaw assembly has a first abutting surface and said 15 second jaw assembly has a second abutting surface, said first abutting 16 surface and said second abutting surface abutting the portion of the tool 17 when said second jaw assembly is in the retaining position;
 - 18 wherein a position of the second abutting surface on said second jaw 19 assembly is adjustable between a plurality of positions in a manner such 20 that an angle between said first abutting surface and said second abutting 21 surface is uniform at each of said plurality of positions of said second 22 abutting surface.

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1 2. (Previously Presented) The system of claim 1, wherein said
2 mounting assembly further comprises:

3 a first mounting member having a first flange portion and a first
4 horizontal support portion, said first flange portion being for abutting the
5 vertical surface of the structure, said first horizontal support portion being
6 coupled to said first flange portion, said first flange portion having a top
7 surface defining a plane, said first horizontal support portion having a first
8 surface defining a first vertical plane, said first horizontal portion being
9 positioned such that said first vertical plane being substantially
10 perpendicular to said plane formed by said top surface; and

11 a second mounting member having a second flange portion and a
12 second horizontal support portion, said second flange portion being for
13 abutting the vertical surface of the structure, said second horizontal support
14 portion being coupled to said second flange portion, said second flange
15 portion having a second top surface defining a second plane, said second
16 horizontal support portion having a second surface defining a second
17 vertical plane, said second horizontal portion being positioned such that
18 said second vertical plane being substantially perpendicular to said second
19 plane formed by said second top surface.

1 3. (Currently Amended) The system of claim 1, wherein said first jaw
2 assembly includes a pair of first abutting surfaces, said pair of abutting
3 surfaces converging toward each other in a substantially upward direction
4 when said mounting assembly is mounted on the structure, and diverging
5 away from each other in a substantially downward direction when said
6 mounting assembly is mounted on the structure.

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1 4. (Original) The system of claim 2, further comprising:
2 said first horizontal support portion having a proximal end and a distal
3 end, said proximal end being adjacent to said first flange portion, said
4 distal end being adjacent to said first jaw assembly, said first horizontal
5 support portion having a taper extending from a medial portion towards said
6 distal end, said distal end having a width less than a width associated with
7 said medial portion, said taper permitting pivoting of said second jaw
8 assembly with respect to said mounting assembly; and

9 said second horizontal support portion having a proximal end and a
10 distal end, said proximal end being adjacent to said second flange portion,
11 said distal end being adjacent to said first jaw assembly, said second
12 horizontal support portion having a taper extending from a medial portion
13 towards said distal end, said distal end having a width less than a width
14 associated with said medial portion, said taper permitting pivoting of said
15 second jaw assembly with respect to said mounting assembly.

1 5. (Previously Presented) The system of claim 2, wherein said first
2 horizontal support portion having a forward edge and a rearward edge, said
3 forward edge being proximal to said first jaw assembly, said rearward edge
4 being opposite said forward edge, said first horizontal support portion
5 having a top bottom edge, said top bottom edge having a notch positioned
6 therein adjacent to said forward edge, said notch having a vertical portion,
7 said vertical portion being positioned in said first horizontal support
8 portion at an angle.

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1 6. (Previously Presented) The system of claim 2, further comprising:
2 wherein said first horizontal support portion having a forward edge
3 and a rearward edge, said forward edge being proximal to said first jaw
4 assembly, said rearward edge being opposite said forward edge, said first
5 horizontal support portion having a top bottom edge, said top bottom edge
6 having a notch positioned therein adjacent to said forward edge, said notch
7 having a vertical portion, said vertical portion being positioned in said first
8 horizontal support portion at an angle; and

9 wherein said second horizontal support portion having a second
10 forward edge and a second rearward edge, said second forward edge being
11 proximal to said first jaw assembly, said second rearward edge being
12 opposite said second forward edge, said second horizontal support portion
13 having a second top bottom edge, said second top bottom edge having a
14 second notch positioned therein adjacent to said second forward edge, said
15 second notch having a second vertical portion, said second vertical portion
16 being positioned in said second horizontal support portion at an angle.

1 7. (Previously Presented) The system of claim 1, wherein an
2 orientation of said second abutting surface at each of said plurality of
3 positions is parallel to other of said plurality of positions.

1 8. (Previously Presented) The system of claim 1, wherein said
2 mounting assembly has an angular notch receiving said first jaw assembly to
3 increase a surface area of contact between said mounting assembly and said
4 first jaw assembly to strengthen a union of said mounting assembly and said
5 first jaw assembly.

1 9. (Previously Presented) The system of claim 3, wherein said pair of
2 abutting surfaces are oriented substantially perpendicular to each other.

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1 10. (Previously Presented) The system of claim 1, wherein said second
2 jaw assembly includes a coupling portion and a width adjustment portion,
3 said width adjustment portion being slidably mounted on said coupling
4 portion to move said second abutting surface toward said first abutting
5 surface of said first jaw assembly.

1 11. (Previously Presented) A tool holding system for selectively
2 retaining a tool by clamping a handle of the tool, the system comprising:
3 a mounting assembly for selectively coupling said system to a vertical
4 surface of a structure;

5 a first jaw assembly operationally coupled to said mounting assembly,
6 said first jaw assembly being adapted for abutting a first side of the handle
7 of the tool being retained;

8 a second jaw assembly pivotally coupled to said mounting assembly,
9 said second jaw assembly being adapted for abutting a second side of the
10 handle of the tool being retained, the handle being selectively retained
11 between said first jaw assembly and said second jaw assembly;

12 wherein said mounting assembly further comprises:

13 a first mounting member having a first flange portion and a first
14 horizontal support portion, said first flange portion being for abutting the
15 vertical surface of the structure, said first horizontal support portion being
16 coupled to said first flange portion, said first flange portion having a top
17 surface defining a plane, said first horizontal support portion having a first
18 surface defining a first vertical plane, said first horizontal portion being
19 positioned such that said first vertical plane being substantially
20 perpendicular to said plane formed by said top surface;

21 a second mounting member having a second flange portion and a
22 second horizontal support portion, said second flange portion being for
23 abutting the vertical surface of the structure, said second horizontal support
24 portion being coupled to said second flange portion, said second flange
25 portion having a second top surface defining a second plane, said second

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26 horizontal support portion having a second surface defining a second
27 vertical plane, said second horizontal portion being positioned such that
28 said second vertical plane being substantially perpendicular to said second
29 plane formed by said second top surface;

30 said first flange portion having an aperture extending therethrough,
31 said aperture facilitating coupling of said first flange portion to the surface
32 of the structure;

33 said second flange portion having a second aperture extending
34 therethrough, said second aperture facilitating coupling said second flange
35 portion to the surface of the structure;

36 said first horizontal support portion having a proximal end and a distal
37 end, said proximal end being adjacent to said first flange portion, said
38 distal end being adjacent to said first jaw assembly, said first horizontal
39 support portion having a taper extending from a medial portion towards said
40 distal end, said distal end having a width less than a width associated with
41 said medial portion, said taper permitting pivoting of said second jaw
42 assembly with respect to said mounting assembly;

43 said second horizontal support portion having a proximal end and a
44 distal end, said proximal end being adjacent to said second flange portion,
45 said distal end being adjacent to said first jaw assembly, said second
46 horizontal support portion having a taper extending from a medial portion
47 towards said distal end, said distal end having a width less than a width
48 associated with said medial portion, said taper permitting pivoting of said
49 second jaw assembly with respect to said mounting assembly;

50 wherein said first jaw assembly further comprises a horizontal portion
51 and a vertical portion, said horizontal portion being operationally coupled
52 to said mounting assembly, said vertical portion being operationally coupled
53 to said horizontal portion, said horizontal and vertical portions being for
54 abutting the handle to the tool being retained;

55 wherein said second jaw assembly further comprises:

56 a coupling portion pivotally couplable to said mounting assembly;

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57 a lever portion coupled to said coupling portion, said lever portion
58 extending downwardly from said coupling portion, said lever
59 portion providing a clamping force for retaining the handle of
60 the tool;
61 a width adjustment portion slidably coupled to said lever portion, said
62 width adjustment portion facilitating adjustment of said second jaw
63 assembly to accommodate a diameter of the handle of the tool being
64 retained; and
65 a retaining assembly for slideably coupling said width adjustment
66 portion to said lever portion.

1 12. (Original) The system of claim 11, wherein said coupling portion
2 further comprises:

3 a horizontal member extending between said first support portion and
4 said second support portion;

5 a first tab portion extending rearwardly from said horizontal member
6 adjacent to said first support portion, said first tab portion facilitating
7 pivotal coupling of said second jaw assembly to said mounting assembly;
8 and

9 a second tab portion extending rearwardly from said horizontal
10 member adjacent to said second support portion, said second tab portion
11 facilitating pivotal coupling of said second jaw assembly to said mounting
12 assembly.

1 13. (Original) The system of claim 12, further comprising:

2 a first coupling hole extending through said first support portion;

3 a second coupling hole extending through said first tab portion, said
4 second coupling hole being aligned with said first coupling hole;

5 a coupling means positioned through said first coupling hole and said
6 second coupling hole, said coupling means permitting pivotal movement of
7 said second jaw assembly with respect to said mounting assembly;

8 a third coupling hole extending through said second support portion;

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9 a fourth coupling hole extending through said second tab portion, said
10 fourth coupling hole being aligned with said third coupling hole;
11 a second coupling means positioned through said third coupling hole
12 and said fourth coupling hole, said second coupling means permitting
13 pivotal movement of said second jaw assembly with respect to said
14 mounting assembly.

1 14. (Previously Presented) The system of claim 13, wherein said first
2 coupling means and said second coupling means further comprise a single
3 bolt extending through said first, second, third and fourth coupling holes,
4 said bolt being secured with an associated nut.

1 15. (Previously Presented) The system of claim 13, wherein said first
2 coupling means and said second coupling means further comprises a single
3 pin extending through said first, second, third, and fourth coupling holes,
4 said pin being secured with a cotter pin.

1 16. (Previously Presented) The system of claim 13, wherein said first
2 coupling means and said second coupling means further comprises a single
3 pin extending through said first, second, third, and fourth coupling holes,
4 said pin being secured with a grip ring.

1 17. (Original) The system of claim 13, wherein said second hole being
2 offset from a center of said first tab portion and said fourth hole being
3 offset from a center of said second tab portion.

1 18. (Original) The system of claim 13, further comprising at least one
2 biasing member coupled between said second jaw assembly and said
3 mounting assembly, said biasing member urging said second jaw member
4 towards a closed portion whereby the handle of the tool is retained.

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1 19. (Original) The system of claim 13, further comprising a pair of
2 biasing members, each one of said biasing members being operationally
3 coupled between said second jaw assembly and said mounting assembly,
4 each one of said pair of biasing members urging said second jaw member
5 towards a closed portion whereby the handle of the tool is retained.

1 20. (Original) The system of claim 13, further comprising a first,
2 second and third biasing member, each one of said first, second, and third
3 biasing members being operationally coupled between said second jaw
4 assembly and said mounting assembly, each one of said first, second, and
5 third biasing members urging said second jaw member towards a closed
6 portion whereby the handle of the tool is retained.

1 21. (Original) The system of claim 20, further comprising:
2 said first biasing member being a spring having seven coils, said first
3 biasing member being adjacent to said first horizontal support portion;
4 said second biasing member being a spring having seven coils, said
5 second biasing member being adjacent to said second horizontal support
6 portion; and
7 said third biasing member being a spring having five coils, said third
8 biasing member being positioned between said first biasing member and said
9 second biasing member.

1 22. (Original) The system of claim 11, further comprising:
2 wherein said coupling portion further comprises:
3 a horizontal member extending between said first support portion and
4 said second support portion;
5 a first tab portion extending rearwardly from said horizontal member
6 adjacent to said first support portion, said first tab portion
7 facilitating pivotal coupling of said second jaw assembly to said
8 mounting assembly;

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9 a second tab portion extending rearwardly from said horizontal
10 member adjacent to said second support portion, said second tab
11 portion facilitating pivotal coupling of said second jaw assembly
12 to said mounting assembly;
13 a first coupling hole extending through said first support portion;
14 a second coupling hole extending through said first tab portion, said
15 second coupling hole being aligned with said first coupling hole;
16 a third coupling hole extending through said second support portion;
17 a fourth coupling hole extending through said second tab portion, said
18 fourth coupling hole being aligned with said third coupling hole;
19 a single bolt extending through said first, second, third and fourth
20 coupling holes, said bolt being secured with an associated nut; and
21 a pair of biasing members, each one of said biasing members being
22 operationally coupled between said second jaw assembly and said mounting
23 assembly, each one of said pair of biasing members urging said second jaw
24 member towards a closed portion whereby the handle of the tool is retained.

1 23. (Original) The system of claim 22, wherein each one of said first
2 and second tab portions further comprise a tapered edge extending along
3 said first jaw assembly said tapered edge abutting said first jaw assembly
4 when said second jaw assembly is pivoted to a maximum open portion, said
5 tapered edge being a stop for said second jaw assembly.

1 24. (Original) The system of claim 11, wherein said lever portion
2 further comprises:

3 a first extent coupled to said coupling portion, said first extent
4 extending downwardly from said coupling portion, said first extent defining
5 a maximum width between said first jaw assembly and said second jaw
6 assembly;
7 a second extent having an angular relationship to said first extent,
8 said second extent being coupled to said first extent; and

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9 a third extent extending downwardly from said second extent, said
10 third extent abutting the surface of the structure when said second jaw
11 assembly is in a closed portion, said third extent providing a handle to be
12 grasped by the user to facilitate removal of the tool being retained from the
13 system.

1 25. (Original) The system of claim 24, wherein said first extent tapers
2 inwardly as it extends away from said coupling portion towards said second
3 extent, said first extent having a first width adjacent to said coupling
4 portion, said first extent having a second width adjacent to said second
5 extent, said first width being greater than said second width.

1 26. (Previously Presented) The system of claim 24, wherein said width
2 adjustment portion further comprises:

3 a first retaining extent being substantially parallel to said second
4 extent of said lever portion; and

5 a second retaining extent being substantially parallel to said third
6 extent of said lever portion, said second retaining extent being slidable
7 along said third extent whereby a width of said second jaw assembly is
8 adjustable.

1 27. (Original) The system of claim 26, further comprising:

2 a lever aperture extending through said third extent of said lever
3 portion;

4 a slot extending along a longitudinal axis of said second retaining
5 extent;

6 a retaining member extending through said slot and said lever
7 aperture; and

8 a tensioning member couplable to said retaining member for
9 selectively securing said width adjustment portion to said lever portion.

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1 28. (Original) The system of claim 11, further comprising:
2 wherein said lever portion further comprises:
3 a first extent coupled to said coupling portion, said first extent
4 extending downwardly from said coupling portion, said first
5 extent defining a maximum width between said first jaw
6 assembly and said second jaw assembly;
7 a second extent having an angular relationship to said first extent,
8 said second extent being coupled to said first extent;
9 a third extent extending downwardly from said second extent, said
10 third extent abutting the surface of the structure when said
11 second jaw assembly is in a closed portion, said third extent
12 providing a handle to be grasped by the user to facilitate
13 removal of the tool being retained from the system;
14 wherein said width adjustment portion further comprises:
15 a first retaining extent being substantially parallel to said second
16 extent of said lever portion;
17 a second retaining extent being substantially parallel to said third
18 extent of said lever portion, said second retaining extent being
19 slidable along said third extent whereby a width of said second
20 jaw assembly is adjustable;
21 a lever aperture extending through said third extent of said lever
22 portion;
23 a slot extending along a longitudinal axis of said second retaining
24 extent;
25 a retaining member extending through said slot and said lever
26 aperture; and
27 a tensioning member couplable to said retaining member for
28 selectively securing said width adjustment portion to said lever portion.

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1 29. (Original) The system of claim 11, further comprising:
2 wherein said coupling portion further comprises:
3 a horizontal member extending between said first support portion and
4 said second support portion;
5 a first tab portion extending rearwardly from said horizontal member
6 adjacent to said first support portion, said first tab portion
7 facilitating pivotal coupling of said second jaw assembly to said
8 mounting assembly;
9 a second tab portion extending rearwardly from said horizontal
10 member adjacent to said second support portion, said second tab
11 portion facilitating pivotal coupling of said second jaw assembly
12 to said mounting assembly;
13 a first coupling hole extending through said first support portion;
14 a second coupling hole extending through said first tab portion, said
15 second coupling hole being aligned with said first coupling hole;
16 a third coupling hole extending through said second support portion;
17 a fourth coupling hole extending through said second tab portion, said
18 fourth coupling hole being aligned with said third coupling hole;
19 a single bolt extending through said first, second, third and fourth
20 coupling holes, said bolt being secured with an associated nut;
21 a pair of biasing members, each one of said biasing members being
22 operationally coupled between said second jaw assembly and said mounting
23 assembly, each one of said pair of biasing members urging said second jaw
24 member towards a closed portion whereby the handle of the tool is retained;
25 wherein each one of said first and second tab portions further
26 comprise a tapered edge extending along said first jaw assembly said
27 tapered edge abutting said first jaw assembly when said second jaw
28 assembly is pivoted to a maximum open portion, said tapered edge being a
29 stop for said second jaw assembly;
30 wherein said lever portion further comprises:

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31 a first extent coupled to said coupling portion, said first extent
32 extending downwardly from said coupling portion, said first
33 extent defining a maximum width between said first jaw
34 assembly and said retaining member of said second jaw
35 assembly;
36 a second extent having an angular relationship to said first extent,
37 said second extent being coupled to said first extent;
38 a third extent extending downwardly from said second extent, said
39 third extent abutting the surface of the structure when said second jaw
40 assembly is in a closed portion, said third extent providing a handle to be
41 grasped by the user to facilitate removal of the tool being retained from the
42 system;
43 wherein said width adjustment portion further comprises:
44 a first retaining extent being substantially parallel to said second
45 extent of said lever portion;
46 a second retaining extent being substantially parallel to said third
47 extent of said lever portion, said second retaining extent being
48 slidable along said third extent whereby a width of said second
49 jaw assembly is adjustable;
50 a lever aperture extending through said third extent of said lever
51 portion;
52 a slot extending along a longitudinal axis of said second retaining
53 extent;
54 a retaining member extending through said slot and said lever
55 aperture; and
56 a tensioning member couplable to said retaining member for
57 selectively securing said width adjustment portion to said lever portion.